

Ingenuity and Opportunity: Asking Questions

Computer Science

Computational Thinking

L1:CT.1	Understand and use the basic steps in algorithmic problem-solving (e.g., problem statement and exploration, examination of sample instances, design, implementation, and testing).
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Computing Practice & Programming

L1:CPP.3	Use technology tools (e.g., multimedia and text authoring, presentation, web tools, digital cameras, and scanners) for individual and collaborative writing, communication, and publishing activities.
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Computers and Communications Devices

L1:CD.2	Understand the pervasiveness of computers and computing in daily life (e.g., voice mail, downloading videos and audio files, microwave ovens, thermostats, wireless Internet, mobile computing devices, GPS systems).
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Community Global, and Ethical Impacts

L1:CI.4	Understand ethical issues that relate to computers and networks (e.g., equity of access, security, privacy, copyright, and intellectual property).
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English Language Arts

Reading: Literature

CCSS.ELA-LITERACY.RL.1	Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
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Reading: Informational Text

CCSS.ELA-LITERACY.RI.7	Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.
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Writing

CCSS.ELA-LITERACY.W.6	With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.
CCSS.ELA-LITERACY.W.8	Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.

Speaking & Listening

CCSS.ELA-LITERACY.SL.3	Identify the reasons and evidence a speaker provides to support particular points.
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Language

CCSS.ELA-LITERACY.L.2	Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
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Fine Arts

Creating

MA:Cr3.1	a. Structure and arrange various content and components to convey purpose and meaning in different media arts productions, applying sets of associated principles, such as balance and contrast. b. Demonstrate intentional effect in refining media artworks, emphasizing elements for a purpose.
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TH:Cr1.1	a. Articulate the visual details of imagined worlds, and improvised stories that support the given circumstances in a drama/theatre work. b. Visualize and design technical elements that support the story and given circumstances in a drama/theatre work. c. Imagine how a character might move to support the story and given circumstances in a drama/theatre work.
VA:Cr2.1	a. Explore and invent art-making techniques and approaches. b. When making works of art, utilize and care for materials, tools, and equipment in a manner that prevents danger to oneself and others. c. Document, describe, and represent regional constructed environments.
Performing/Presenting/Producing	
DA:Pr5.1	a. Demonstrate fundamental dance skills (for example, alignment, coordination, balance, core support, kinesthetic awareness) and movement qualities when replicating and recalling patterns and sequences of locomotor and non-locomotor movements. b. Execute techniques that extend movement range, build strength, and develop endurance. Explain the relationship between execution of technique, safe body-use, and healthful nutrition. c. Coordinate phrases and timing with other dancers by cueing off each other and responding to stimuli cues (for example, music, text, or lighting). Reflect on feedback from others to inform personal dance performance goals.
MU:Pr6.1	a. Perform music, alone or with others, with expression and technical accuracy, and appropriate interpretation. b. Demonstrate performance decorum and audience etiquette appropriate for the context, venue, and genre.
VA:Pr5.1	Analyze the various considerations for presenting and protecting art in various locations, indoor or outdoor settings, in temporary or permanent forms, and in physical or digital formats.
Responding	
MU:Re8.1	Demonstrate and explain how the expressive qualities (such as dynamics, tempo, and timbre) are used in performers' and personal interpretations to reflect expressive intent.
TH:Re9.1	a. Propose a plan to evaluate drama/theatre work. b. Investigate how technical elements may support a theme or idea in a drama/theatre work. c. Observe how a character's choices impact an audience's perspective in a drama/theatre work.
Connecting	
DA:Cn11.1	a. Select and describe movements in a specific genre or style and explain how the movements relate to the culture, society, historical period, or community from which the dance originated.
MA:Cn11.1	a. Explain verbally and/or in media artworks, how media artworks and ideas relate to everyday and cultural life, such as fantasy and reality, and technology use. b. Examine and interact appropriately with media arts tools and environments, considering ethics, rules, and fairness.
Mathematics	
Numbers & Operations in Base Ten	
CCSS.MATH.CO NTENT.NBT.A.1	Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. <i>For example, recognize that $700 \div 70 = 10$ by applying concepts of place value and division.</i>

CCSS.MATH.CONTENT.NBT.A/B.2	Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.
CCSS.MATH.CONTENT.NBT.A/B.3	Use place value understanding to round multi-digit whole numbers to any place.
CCSS.MATH.CONTENT.NBT.A/B.4	Fluently add and subtract multi-digit whole numbers using the standard algorithm.
CCSS.MATH.CONTENT.NBT.B/C.5	Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.
Physical Education and Health	
Motor Skills and Movement	
S1.E3	Uses spring-and-step take-offs & landings specific to gymnastics
S1.E4	
S1.E10	Moves into and out of balances on apparatus with curling, twisting & stretching actions.
S1.E11	Combines locomotor skills and movement concepts (levels, shapes, extensions, pathways, force, time, flow) to create and perform a dance with a partner.
S1.E12	Combines traveling with balance and weight transfers to create a gymnastics sequence with and without equipment or apparatus.
Health Enhancement & Fitness	
S3.E6	Discusses the importance of hydration and hydration choices relative to physical activities.
Personal and Social Behavior	
S4.E1	Exhibits responsible behavior in independent group situations.
Value of Physical Activity	
S5.E1	Examines the health benefits of participating in physical activity.
Science	
Physical Sciences	
PS3-1	Use evidence to construct an explanation relating the speed of an object to the energy of that object.
PS3-2	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.
PS3-3	Ask questions and predict outcomes about the changes in energy that occur when objects collide.
PS3-4	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
Social/Emotional Learning	
Relationship Skills	
1C.a	Describe the steps in setting and working toward goal achievement.
Social Studies	
U.S. History	
NSS-US.8a3	Describe the development and the influence of basic tools on work and behavior.

NSS-US.8a4	Identify and describe various technological developments to control fire, water, wind, and soil, and to utilize natural resources such as trees, coal, oil, and gas in order to satisfy the basic human needs for food, water, clothing, and shelter.
NSS-US.8a5	Identify and describe technological inventions and developments that evolved during the 19th century and the influence of these changes on the lives of workers.
NSS-US.8b5	Investigate the design and development of aircraft and rocketry and the people involved.
NSS-US.8b6	Identify and describe the people who have made significant contributions in the field of transportation.
NSS-US.8c2	Illustrate the origins and changes in methods of writing over time and describe how the changes made communication between people more effective.
NSS-US.8c3	Explain the significance of the printing press, the computer, and electronic developments in communication, and describe their impact on the spread of ideas.
NSS-US.8c5	Identify and describe the people who have made significant contributions in the field of communication.